

IN THE CLAIMS

Please amend the claims as shown in the attached sheets.

1. (original) A process for preparing cis- or trans-1,2-diaminocyclohexane-N,N,N',N'-tetraacetic acid which comprises the steps of
 - 5 (a) neutralizing an aqueous solution of chloroacetic acid with a non-metal amino or hydroxy base;
 - (b) reacting cis- or trans-1,2-diaminocyclohexane with a non-metal amino or hydroxy base;
 - (c) treating the product from step (b) with a dilute solution of sodium hydroxide;
 - 10 (d) treating the resulting product of step (c) with acid and then
 - (e) recovering the product formed.
2. (original) The process of claim 1 wherein step (a) is conducted at a temperature not greater than 10°C.
3. (original) The process of claim 2 wherein the reaction of step (b) is at a temperature between 75°-80°C.
4. (original) The process of claim 3, comprising the steps of:
 - (a) neutralizing chloroacetic acid in an aqueous medium with a non-metal amino or hydroxy base compound at a temperature of less than 10°C;
 - 25 (b) reacting said neutralized chloroacetic acid with 1,2-diaminohexane at a temperature of less than 80°C;
 - (c) adding a non-metal amino or hydroxy base to complete neutralization so as to form an aqueous mixture;
 - (d) heating the aqueous mixture to a temperature of less than 100°C;
 - 30 (e) filtering the mixture from (d);
 - (f) treating the aqueous filtrate with hydrochloric acid until a precipitate forms;
 - (g) filtering the aqueous filtrate; and then
 - (h) recovering 1,2-diaminocyclohexanetetraacetic acid and optionally redissolving said 1,2-diaminocyclohexanetetraacetic acid in an aqueous solution and repeating steps (c).
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5. (currently amended) The process of claim 1, ~~claims 1 or 3~~ wherein the non-metal amino or hydroxy base is selected from the group consisting of sodium hydroxide, tetramethyl ammonium hydroxide, tetraethylammonium hydroxide, monoethanolamine, isopropylamine, diethanolamine, 2-amino-1-propanol, 2-amino-2-ethoxy propanol and mixtures thereof.
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6. (currently amended) The process of claim 1 ~~claims 1 or 3~~ wherein the non-metal amino or hydroxy base in step (a) is different from that used in step (c).
- 5 7. (currently amended) The process of claim 1 ~~claims 1 or 3~~ wherein the non-metal amino or hydroxy base in step (a) is tetramethylammonium hydroxide and in step (b) ammonium hydroxide.
- 10 8. (currently amended) The process of claim 1 ~~claims 1 or 3~~ wherein sodium hydroxide is used as hydroxy base in steps (a) and (c).